FOR MYSORE STATE

PUBLIC (1956) Department.

Rt SERIES.

G.O. No. 507

Dated 19-3-1956

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Sejdt
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2.5.56

[Despatch Abstract.]

Community Project - South Kanara Area - Block-I - Communications - Construction of Culverts on the road from Badagaredapadav to Iruvaid - Revised estimate - Sanctioned

...No. 973 A/54-5.

...Office of the Collector of South ...
...Dated 22-11-1955.
...I.M.F.S., I.A.S.,

...

...PROJECT (South ...) F.D.C. I--Communications--Construction of a causeway at ...lathar near ...ndhar--Administrative sanction--accorded.

...Govt. Memo No.CO22 ...J.../VI/55-1 dt.10-9-55.

...

The Collector of South ...anara accords sanction to incur an expenditure not exceeding Rs. 16,150/- (Rs.sixteen thousand, one hundred and fifty only) being 75% of the estimated cost of Rs. 21,...- for constructing a causeway at ...lathar near Thondhar. The balance of Rs. 5,...- required to complete the work will be borne by the Panchayath Board and villagers. Out of the sanctioned amount of Rs.16,150/- the District Board, South Kanara has resolved to remit a sum of Rs. 2,350/- (Rs. two thousand, eight hundred and fifty only) i.e. 15% of the estimated cost into the treasury. The Government has approved the construction of the causeway with 75% of the estimated cost being met from Community Project funds, in the Memorandum cited above.

This work has been approved at the Project Advisory Committee meeting held on 11-8-1955. This sanction is counted against the provision in item II-A in the Budget estimate of this area, approved by the Community Project Administration in their letter No.C. ...A.353/8/54 (Bud) dated ...-7--1954.

The expenditure should be debited to "2.D.Community Development Project - N. ... C. ... L. D. Works (i) Community Development Project ---Communications".

The Project Executive Officer, South Kanara is requested to get the work executed expeditiously according to the approved plan and estimate and submit the completion report in due course.

The President, District Board, South Kanara is requested to remit Rs. 2350/- (Rs.two thousand, eight hundred and fifty) i.e. 15% of the estimated cost of the work into the treasury and send the duplicate of the chalan to the Project Executive Officer, South Kanara.

...

/- True Copy/-

4/4 For Collector.

To the Project Executive Officer, S.K.Mangalore.
Copy to: Director of Community Development, ... copies.
" Secretary to the Commissioner of Food Production, ...
" ... of Revenue (A.L) Chepauk, Madras-5
" Accountant General, Madras.
" Secy. Dy. Collector of S...Mangalore.
" President, Dt. Bd. S.K. Mangalore.
" A.E.E. Mangalore.
" Asst.Engineer(...) Mangalore-2 copies with estimate and plan.
" Divisional Engineer (I) Mangalore.
" ...Section.
" Accountant & ...clerk.

JC/28-11-55

REF.C.NO. 3180/55-B.

Proceedings of the Collector of South Kanara,
Mangalore dated 1--12--1955.
Sri. M. G.Raja Ram, I.A.S.,

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COMMUNITY PROJECT--South Kanara--Block I--Communications--Construction of culverts on the road from Badagayedapadavu to Iruvail--Administrative sanction to the revised estimate--accorded.

Ref: G.O.Rt.No.915 Agriculture Dept. dt. 11-6-1954.

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Sanction was accorded in the G.O.cited above to an expenditure not exceeding Rs. 9450/- (Rs.nine thousand, four hundred and fifty only) being the estimated cost of constructing twelve culverts on the road from Badagayedapadavu to Iruvail.

The original estimate provides for constructing only twelve culverts. As the road has been taken on hilly terrain, provision for 3 more culverts was found necessary during execution of the work to drain off the surface water. Consequently, the estimate has been revised to Rs.10,756/- as against the original estimated cost of Rs. 9,450/-.

Sanction is now accorded to an expenditure not exceeding Rs.1,306/- (Rs. one thousand, three hundred and six only) being the additional estimated cost of 3 culverts to be constructed on the road from Badagayedapadav to Iruvail. This amount of sanction now accorded is in addition to the amount already sanctioned in the G.O. cited above.

This sanction relates to item II-E in No.C.P.A. 558/5/53 (Bud) dated 6-7-1954 in the Budget estimate approved by the Community Projects Administration.

The expenditure is debitable to '63.B.Community Development Project - N.E.S. & L.D. works (i) Community Development Project - Communications "

The Project Executive Officer, South Kanara is requested to get the work completed expeditiously according to the revised estimate and plan which are returned herewith and to submit the completion report in due course.

SD. M. G. RAJA RAM,
COLLECTOR OF S.K.

/- True Copy/-

for Collector, S.K.

To the Project Executive Officer,S.K.Mangalore.
Copy to Director of Community Development,Madras- 2 copies.
" Secretary to the Commissioner of Food Production, Board of Revenue (F.P.) Chepauk,Madras,5.
" Accountant General,Madras.
" Treasury Dy. Collector of S.K.
" Asst.Engineer(C:.P.) Mangalore-2 copies with the revised estimate, plan and the original estimate.
" M3. Section.
" Accountant & B.clerk.
JC/5-12-55.

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[illegible]

[illegible]

[illegible]

PWD (R&B - Accts A)

Memo. No. 56914/55-1 PWD (R&B - Accts A) dt 2-12-55

Sub:- Community Project - S.K. area Block I - construction of 15 culverts on the road being formed Yedapadam to Sourail - revised estimate - administrative Sanction -

Ref:- From the Collector, S.K., proc: Rc No. 3169/55-B dated 1.12.55.

The Collector of S.K. is informed that, as the original estimate for Rs. 9450/- being the cost of construction of twelve culverts on the road from Badagara Yedapadam to Sourail was sanctioned by Govt., the revised estimate for Rs. 10756/- being the cost of construction of fifteen culverts on the said road should also be sanctioned by Govt. He is therefore requested to furnish necessary proposals to Govt. for

P.T.O

58914

according sanction for the ~~said~~ revised estimate.

27/12/55

2.1.56

for DCD

To

The Collector of S.K.
Mangalore

Copy to the P.E.O. S.K.,
Mangalore.

Note:-

Pl. see page 1 c.f. the above draft which is self-explanatory may be approved.

27/12/55

2.1.56

CENTRAL DESPATCH BRANCH
Rec.
Desp.

REF:C.NO. 3180/55. Project Executive Office, S.K., Mangalore, dated 13- 2- 1956.

From
Sri. H. Narasimha,
Project Executive Officer,
South Kanara, MANGALORE.

To
The Additional Development Commissioner,
Fort St. George, MADRAS- 9.

ACCOUNTS AND SPECIAL OFFICER
17 FEB 1956
C.D. DEPARTMENT

P36/(1)
21824

COMMUNITY PROJECT--South Kanara--Block I--Communications construction of culverts on the road from Badagayedapadav- to Iruvail--revised estimate--Sanction--Regarding.

REF: G.O.Rt.No.915 Agri. Dept. dt. 11- 6- 1954.

Proceedings of the Collector Ref.C.No.3180/55-B dated 1- 12- 1955.

Govt. Memo No.56914 Pub.(R.D.P.Accounts A)/55-1 dated 2- 1- 1956.

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Sanction was accorded in the G.O. (1) cited above to an expenditure not exceeding Rs. 9450/- being the estimated cost of constructing twelve culverts on the road from Badagayedapadavu to Iruvail.

The original estimate provides for constructing only 12 culverts. As the road has been taken on hilly terrain, provision of 3 more culverts was found necessary during execution of the work to drain off the surface water. Consequently, the estimate has been revised to Rs.10,756/- as against the original estimated cost of Rs.9450/-. The estimate has been technically sanctioned by the Divl. Engineer (Highways) Mangalore.

In G.O.Ms.No.2571 Pub. R.D.P.Dept. dated 23-12-1954, the Collectors are empowered to accord Administrative sanction upto Rs. 20,000/- for works. As this work was within the powers of Collector, the administrative sanction was accorded for the Revised estimate in Collector's proceedings Ref.C.No. 3180/55-B dated 1- 12- 1955.

As instructed in Govt. Memo No.56914 Pub. (R.D.P. Accounts- A)/55-1 dated 2- 1- 1956, the original estimate and plan together with the Revised Estimate in duplicate are herewith submitted for according Administrative Sanction for an additional expenditure of Rs. 1306/- in addition to the

P.T.O

amount of Rs. 945C/- already sanctioned in the G.O. (1) cited above and return of the estimate for taking further action.

Yours faithfully,

Project Executive Officer.

Encl: 1 original estimate & plan. 29 14/2/56
1 Revised Estimate in duplicate.

JC 14-2-56.

Pub (R&B. Accts A)

Pl see pp 5- & above

The case may be transferred to Pub (R&B Vi) for examination and according necessary sanction.

27256

Pub (R&B Accts A) U.O.No. 56914/55-2

dated 27.2.56

Report to accompany the Revised Estimate for Constructing 12 Culverts in Bantwal Taluk-Jodumarga - Sanoor Road Ongoing
MS 9450/- Sanction Go MS 915/11-6-54.

The original Estimate for constructing 12 culverts of 3 NOS of 4'0 vent slab culverts — 5 NOS of 2 ft diameter pipe culverts and 4 NOS of 1'6" dia Hume pipe culverts for a length of 4 mile Road was sanctioned in the above mentioned Go No. As the entire road has been taken in hand stages to ensure the valuable cultivated land the culverts provided in the original Estimate found not sufficient during actual execution to drain off the flowing water. The villagers who have formed the road side here also represented by putting petition on Receipt of the petition and on inspection by the A E & Pmad DE(CP) it was decided to provide 2 more culverts of 1'6" dia Hume pipe in the reach 3/4 to 4/0 and one of 2 ft vent slab culvert for a width of 30 ft in the embankment the Estimate 2 more culverts of 1'6" dia also have executed as per the original plan sanctioned in the above No and the 2 ft vent slab culverts has been executed as per the plan enclosed here with. Now the work has been completed in all respects except laying the road by the Panchayat. Taken into consideration of the additional 3 culverts and making further provision for forming approach roads to the culverts, providing and fixing furlong stone and milestones and providing one pipe in Divalthe amount has come to Rs 10751/- against the sanctioned Estimate cost of Rs 9450 which has also been already incurred on the work up to end of September 1955 for which Rs 9450 is required. The additional sum of Rs 1301/- is required is more than 5% over the original Estimate, the Estimate has been revised accordingly (The details as per minutes has been enclosed) for the Revised Estimate only actual required as per plan has been prepared and all the Estimate items pertaining to the original Estimate and the quantities for forming approach roads to the culverts, has been worked out also provision has been made for providing one mile stone furlong stones and a direction Board. As the road supervisor and engineering the work provided in the estimate are former unskilled labour which has been included in the Revised Estimate. The whole work has been executed as per Estimate. The details Estimates MOSS and relevant working. The details Estimates as per actual with Abstract and comparative statement is also here with Enclosed.

Sub Engineer Gr II
Mangalore. 8/X/55

Assistant Engineer,
Community Projects,
S. K. MANGALORE.

Name of work - Constructing 12 culvert in Bodagyadapadu - Dravida Road Est 91/50/ dt 9/5/11 : 04

ESTIMATE FORM.—Comparative Statement of Differences.

Description of work. (1)	Item No. (2)	Original estimate. Quantity. (3)	Rate. (4)	Amount. (5)	Revised estimate. Quantity. (6)	Rate. (7)	Amount. (8)	More. (9)	Less. (10)	Explanation of difference. (11)
For 1 ft vent slab culvert 3 nos.			Rs.	Rs.		Rs.	Rs.			
1) Earth work excavation in all soil except rock requiring blasting with initial lead and lift	1	3000 cft	21-6-0	66-0-0	~~22123~~ 22216	21-6-0	~~474-15-0~~ 474-15-0	~~408-15-0~~ 408-15-0	—	Due to formation of approximate to the culverts as site necessitated
2) Cement concrete 1:4:8 using 1½" granite metal	2	450 cft	110-6-0	498-0	515 cft	110-6-0	563-7-0	70 7-0	—	Necessitated during actual execution
3) Random Rubble masonary in C.M 1:4 (vent stone)	3	2100 cft	103-8-0	2175-0	2167	103-8-0	~~2242-14-0~~ 2242-14-0	~~67-14-0~~ 67-14-0	—	do do
4) 3 side dressed for slab for cut stone	4	1534 cft	3-14-0	594	154	3-14-0	596-10	2-12-0	—	Due to approximate calculation
5) plastering with cement mortar 1:4 ½" thick	5	900 sft	11-8-0	105	629 sft	11-8-0	~~70-0-0~~ 70-0-0	—	~~35-0-0~~ 34-8-0	Restricted to the actual requirement
6) Rough stone dry packing for revetment	6	1500	42-4-0	633	1280	42-4-0	~~540-13-0~~ 541-0-0		92-3-0	do do
7) unforseen items L.S.		L.S		27		-			27-0-0	Found out work during actual Execution.
8) Petty supervision and contingencies charges		L.S.		208		-			208-0-0	do do
				1300			~~4439~~ 4439 + 54-13 = 4493-13-0	-550-0-0	~~247-8-0~~ 66 = 360-2-0	
For 2 ft dia Hume pipe culverts										
Earth work excavation in all soil except rocks requiring blasting with initial lead & lift	1	250-0	21-6-0	55-0-0	1222	21-6-0	261-3	206-3	—	Due to formation of approximate to the culverts as site necessitated
cement concrete 1:4:8 using 1½" granite metal	2	275 cft	110-6-0	305-0	281	110-6-0	310-2	5-2-0		Due to more excavation of culvert formed necessitated during execution
Random Rubble masonary in C.M. 1:4	3	1000 cft	103-8-0	1035-0	909	103-8-0	941-13		94-3-0	Restricted to actual Requirement
Plastering with C.M 1:4, ½" thick	4	600 sft	11-8-0	70-0	327 sft	11-8-0	37-4	—	32-12-0	do do

156 1447-8 211-5 126 3

ESTIMATE FORM.—Comparative Statement of Differences. P.W.D. Old V-18, New IV-5-A—71,222—27-7-54.

Description of work. (1)	Item No. (2)	Original estimate. Quantity. (3)	Rate. (4)	Amount. (5)	Revised estimate. Quantity. (6)	Rate. (7)	Amount. (8)	More. (9)	Less. (10)	Explanation of difference. (11)
Supplying and fixing R.C.N. Pipe 24" dia with necessary collars etc	5	3 Rft	1-8-0	1240	69 Rft	1-8-0	1938-12-0	1938-0		Due to an unavoidable increase in length during actual Execution
Rough stone dry packing for protection	6	375	4-4-0	160-0-0	373 cft	1-2-0	158-7-		9-0	Restricted to the actual requirement
Extra for additional cost of pipe and any other unforeseen items	7	L.S		135-0-0					135-0-0	Cause not meeting during actual Execution
Petty supervision and contingencies charges	8	L.S.		150-0-0	-	-	-		150-0-0	do
Cut stone 3 face dressed and set in C.M. 1:4	9				52.5 cft	3-14-0	203-7-	203-7-		
				3510-0			3244-6-5	2141-12-0	1303-6-0	
For 1'6" dia 1 Time Pipe culvert										
Earth work excavation in all soil except rock requiring blasting with initial lead and lift		2000 cft	2-6-0	440-0-0	7561	2-6-0	1663-12-0	1119-12-0		Due to increase of approach cut & to use of excavation in more lifts
Cement concrete 1-4-8 using 1½" metal	2	200 cft	12-6-0	224-0-0	53 cft	10-6-2	278-2-0	54-2-0		Due to 2 more additional culverts not accepting during actual execution
Rubble masonry in C.M. 1:1	3	600 cft	10-8-0	6200-0-0	744 cft	10-8-0	7700	1500-0-0		do
Plastering C.M. 1:4 ½" thick	4	600 Sft	1-8-0	68-12-0	351 Sft	1-8-0	410-4-0		27-12-0	Restricted to the actual requirement
Supplying and fixing R.C.N. Pipe 1'6" dia	5	64 Rft	12-0-0	768-12-0	96 Rft	12-0-0	1152-0-0	383-12-0		Due to 2 more additional culverts not accepting during Execution
Rough stone dry packing for protection	6	20 cft	4-4-0	84-12-0	2 cft	4-4-0	17-7-0	93-7-		do etc
				1408			8167-5	2581-9-0	27-12-0	
				7058						

P.W.D. Old V-17, New IV-5—40,617—27-7-54.

ESTIMATE FORM—Comparative Statement of Differences.

Description of work. (1)	Item No. (2)	Original Estimate. Quantity. (3)	Rate. (4)	Amount. (5)	Revised Estimate. Quantity. (6)	Rate. (7)	Amount. (8)	More. (9)	Less. (10)	Explanation of difference. (11)
			Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	
Extra for additional cost of pipe and forming other unforseen items Petty Supervision charge etc	7	L.S	112.00	—	—	—		112	Formed note N.C. during actual execution
Petty Supervision charge	8	L.S	80.00	—	L.S	80.00		80	Modified this item for deletion No 9
Petty Supervision charges	9	—	2000-00	—	—	201-00	201-00		Formed new item during actual Execution out of 1042-3 Provision in this item of 2 Nos of Engg 201-00 has been included for further work not executed
Providing and fixing mile and furlong stone	10	—	—	—	—	—	185-00	185-00	—	Formed new item during actual Execution
Providing and fixing direction stone	11	—	—	—	—	—	50-00	50-00	—	— do —
							10756-00			
Estimate R/o. 130/55-56		Total ..		9450-00			10756-00	(10,756/-)		
Amount of the Revised Estimate						Rs. 10756/-	9450-00	(9450/-)		
Deduct Amount of estimate already sanctioned						.. Rs. 9,450/- ..				
Net amount requiring sanction						Rs. 1306/- ..	1301-00	(1306/-)		

Sanctioned for Rs. (Rupees one thousand three hundred and Six only) from CD funds.

Executive Engineer.

Collector of South Kanara

28-11-55

Assistant Engineer, Community Projects, S. K. MANGALORE

2 Bhavani 160 Superintending Engineer

Sanctioned for Rs. (——————)

——————only

in supersession of C.R. No.——— of———

Superintending Engineer.

Countersigned

PWD ENGINEER

5/5/56

Deputy Secretary to Govt. Public Works (RDP) Dept.

18 T

C.F. 159 (1) —535,510—20-1-54.

DETAILED ESTIMATE.

District South Kanara — Taluk Mangalore

Village and Survey — Date and cost of original construction

Name and number of work Revised Estimate for construction of culvert in a [illegible] road — Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1) Earth work excavation in all soil except rock requiring blasting with initial lead and lift						
culvert no 1 Right abutment	1	17'0"	5'6"	2'9"	257 cft	
--- do Right returns	2	2'0"	3'6"	3'0"	42 cft	
--- do left abutment	1	17'0"	3'6"	2'0"	119 cft	
--- do for returns	2	2'0"	3'6"	2'0"	28 cft	
culvert no 2 abutment	2	17'0"	3'6"	4'0"	476 cft	
--- do returns	2x2	2'0"	3'6"	4'0"	112 cft	
Earth work for approach road						
culvert no 1 approaches	2	50'0"	21+15/2	2'6"	4500 cft	
" " 2 "	2	70'0"	21+15/2	3'6"	8820 cft	
" " 3 "	2	80'0"	21+15/2	2'6"	7200 cft	
Culvert no 3 Right abutment	1	17'0"	3'6"	5'0"	298 cft	
--- do - for returns	2	2'0"	3'6"	5'0"	70 cft	
--- do - left abutment	1	17'0"	3'6"	4'0"	238 cft	
--- do for returns	2	2'0"	3'6"	4'0"	56	
					22213	22216 cft
2) Cement Concrete 1:4:8 using 1½" granite metal in foundation						
for 1st culvert abutment	2	17'0"	3'6"	0'6"	60 cft	
for --- do - for returns	2x2	2'0"	3'6"	0'6"	14 cft	
for 2nd culvert abutment	2	17'0"	3'6"	2'0"	238 cft	
--- do - for returns	2x2	2'0"	3'6"	2'0"	56 cft	
for 3rd culvert abutment	2	17'0"	3'6"	1'0"	119 cft	
--- do - for returns	2x2	2'0"	3'6"	1'0"	28	
					515	515 cft
3) Random Rubble masonry in cement mortar 1:5						
culvert no 1 abutment with footings	2	16'0"	2'6"	2'3"	180 cft	
--- do - Returns	2x2	2'0"	2'6"	2'3"	45 cft	
--- do - abutments upstream side	2	10'0"	2'0"	3'3"	208 cft	
--- do - returns	2x2	2'0"	7'0"	3'3"	65 cft	
culvert no 2nd abutment with footings	2	16'0"	2'6"	3'4"	200 cft	
--- do --- returns -	2x2	2'0"	2'6"	2'6"	50 cft	
3rd culvert abutment Superstructure	2	16'0"	2'6"	1'0"	156	
					1004	

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Details of work.	Number.	Measurement in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
2 nd culvert returns	2x2	2'0"	2'6"	3'4"	100 sqft	
				4'0"	80 sqft	
3rd culvert last abutment foundation	1	16'0"	2'6"	3'4"	140 cft	
— do — returns	2	2'0"	2'6"	3'6"	35 cft	
— do — right abutment	1	16'0"	2'6"	4'6"	180 sqft	
— do — returns	2x1	2'0"	2'6"	4'6"	45 sqft	
— do — abutment	2	16'0"	2'0"	3'6"	224 cft	
— do — returns	2x2	2'6"	2'0"	3'6"	68 sqft	
for backing of abutment	3x2	16'0"	1'3"	0'8"	80 cft	
— do returns	3x4	2'0"	1'3"	0'8"	30 cft	
for parapet wall						
Parapet wall bottom course	2x3	12'9"	1'6"	2'0"	231 cft	
— do — 2 beams	2x3	11'9"	1'6"	1'0"+0'9" / 2	63	
					2162	2162 cft
4) stone slabs 3 side dressed and set in C.M. 1:4 for decking of 3 culvert	3	16'0"	6'6"	0'7"	154 cft	154 cft
5) plastering with cement mortar 1:4 ½" thick. for 3 culvert parapet wall bottom course	3x2	28'6"	—	2'3"	385 sqft	
— do — top course	3x2	23'6"	—	1'0"	153 sqft	
— top of	3x2	11'9"	1'6"	—	71	
					609	609 sft
6) Rough stone dry packing for revetment for left side bottom up stream	2	15'0"	1'6"	2'0"	90	
— do — top	2	15'0"	1'8"	3'0"	90	
Right down stream	2	15'0"	2'0"	2'0"	120	
— do top of revetment	2	15'0"	1'0"	3'6"	105	
culvert no 2 nd for left side up stream side	2	16'0"	1'0"	5'0"	160	
Right side down stream side	2	16'0"	1'0"	5'6"	176	
to approach path up	2	5'0"	4'0"		40	
pitching the bed	1	15'0"	3'0"	1'0"	45	
culvert no 3rd						
up stream side	2	16'0"	1'0"	5'0"	160 cft	
down stream side	2	16'0"	1'0"	6'0"	192 cft	
approach pitching	2	5'0"	4'0"	1'0"	40 sqft	
the bed of the culvert	1	15'0"	4'0"	1'0"	68	
					12800 ft	128 0 cft

DIVL. ENGINEER, ENGINEERING MANGALORE

Executive Engineer, CIVIL

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C.F. 150 (1) —535,516—20-1-54.

DETAILED ESTIMATE.

District South Kanara — Taluk Mangalore

Village and Survey — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Revised estimate for construction of 5 nos 2'0" dia M.P. culvert

Details of work.	Number.	Measurement in feet. Length	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Earth work excavation in all soil except rock requiring blasting with initial lead and lift.						
1 & 2nd 2ft dia M.P culvert up stream side	1	2'6"	3'0"	2'6"	56	✓
down stream side	1	7'6"	3'0"	3'6"	68	✓
up stream side	1	7'6"	3'0"	2'0"	45	✓
down stream side	1	7'6"	3'0"	2'6"	56	✓
for 3rd culvert	1	7'6"	3'0"	3'6"	158	✓
for 4th culvert	2	7'6"	3'0"	1'6"	68	✓
for 5th culvert	2	7'6"	3'0"	3'6"	158	✓
for 6th 2ft slab culvert	2	31'0"	2'6"	1'9"	272	✓
for approach road						
for culvert no 1 approach	2	55'0"	$\frac{2\frac{1}{2}-15}{2}$	2'0"	3960	✓
" " 2nd	2	50'0"	$\frac{21-15}{2}$	1'6"	2700	✓
" " 3rd	2	30'0"	18'0"	1'9"	1080	✓
" " 4th	2	60'0"	15'0"	2'0"	3600	✓
					12221	12221 cft ✓
2) cement Concrete 1:4:8 using 1½" ring metal						
for foundation 1st course of 1st 2, 3 and 5th	2x4	7'6"	3'0"	1'0"	180 cft	✓
for 4th 2ft M.P. culvert	2	7'6"	3'0"	0'6"	23 cft	✓
for 6th " " "	2	31'0"	2'6"	0'6"	78	✓
					281	281 cft ✓
3) Random rubble masonary in C.M. 1:4						
1st culvert Head walls	2	6'6"	2'0"	5'0"	130 cft	✓
2nd " " "	2	6'6"	2'0"	4'9"	126 cft	✓
3rd " " "	2	6'6"	2'0"	5'0"	130 cft	✓
4th " " "	2	6'6"	2'0"	3'0"	117 cft	✓
for 5th " " "	2	6'6"	2'0"	4'6"	137 cft	✓
for 6th 2ft slab culvert	2	6'6"	2'0"	5'3"	180 cft	✓
for 2 abutments of slab	2	30'0"	1'6"	2'0"	23 cft	✓
for parapet wall	2	30'0"	0'9"	0'6"	= 28 cft	✓
for 1st culverts 1st footing	2	6'3"	1'6"	1'6"	= 10 cft	✓
2nd " 2nd "	2	5'6"	1'0"	0'10½"	= 22	✓
for 2nd culvert 3rd "	2	6'0"	1'6"	1'6"	= 27	✓
for 3rd " 4th and 5th	2	6'0"	1'6"	1'6"	54	✓
					989	989 cft ✓

Details of work.	Number.	Measurement in Feet: Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
deduct for hollow portion of 2'0" dia	= 5×2	$\frac{22}{7}$ × 2'3" × 2'0" / 4			= 8.0 sft	
Net quantity		989 − 80 = 909				909 sft
4) plastering with cement mortar 1:4 ½" thick						
for culvert no 1 st portion	1×2	15'6"	—	2'0"	62.50 sft	
— do — 2nd "	1×2	13'0"	—	1'0"	26 sft	
— do — top	2	5'6"	—	1'0"	11 sft	
for culvert 2, 3, 4, and 5 =	4×2	15'6"	—	1'6"	186.50 sft	
Top of culvert "	4×2	6'0"	—	1'6"	48	
					327	327 sft
5) Providing and fixing 3 inch iron pipe 2 ft dia with necessary collars and joints with cement mortar 1:4						
for culvert 1, 2 and 3	3	18'0"	—	—	54 sft	
for culvert 4 and 5	2	16'0"			32 sft	
					86	86 sft
6) Providing and fixing cut stone fully dressed and fixed in cement mortar 1:4						
for culvert no 6 steps	1	30'0"	3'6"	0'6"	52.5 sft	52.5 sft
7) Rough stone dry pitching for Revetment						
for culvert no 1 s up stream	2	5'6"	1'0"	3'6"	39	
— do down stream	2	5'0"	1'0"	3'0"	30	
for 2nd & 3rd up stream	2×4	5'0"	1'0"	2'6"	100 sft	
for 4th culvert right up stream	2×2	12'0"	1'0"	3'	144	
and down stream =						
for culvert no 5 down stream	2	5'0"	1'0"	4'0"	40 sft	
					20 sft	
Approach " =	1	5'0"	4'0"	1'0"	373	373 sft

S. Bhandary No 1 Supervisor gr I

Assistant Engineer,
Community Projects,
E. K. MANGALORE.

DIVL. ENGINEER,
HIGHWAYS, MANGALORE.

19 11

C.F. 190 (1) —535,510—20-1-54.

DETAILED ESTIMATE.

District South Kanara Taluk Mangalore

Village and Survey Revised Estimate Date and cost of original construction

Name and number of work Constructing Date and cost of last repairs

culvert on Sy Yadupadav-Shola 2 nos of 1'6" dia Hume pipe and

Details of work.	Number.	Measurement in feet. Length	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1) Earth work excavation in all soil except rock requiring blasting with initial lead and lift						
for culvert no 1 foundation	2	7'0"	3'0"	3'0"	126 cft	
for " " 2nd and 4th	2x2	7'0"	3'0"	3'6"	294 cft	
for culvert no 3rd foundation	2	7'0"	3'0"	4'0"	168 cft	
for " " 5th "	2	7'0"	3'0"	2'9"	74 cft	
" " 6th "	2	7'0"	3'0"	2'9"	74 cft	
for approach Road work no 1	2	30'	15'0"	1'0"	900 cft	
" " 2nd	2	25	15'0"	1'0"	750 cft	
" " 3rd	2	25	15'0"	0'6"	375 cft	
" " 4th "	2	50	15'0"	1'9"	2650 cft	
" " 5th	2	50	15'0"	1'0"	1500 cft	
" " 6th	2	50	15'0"	0'6"	750	
					7661	7661 cft
2) cement concrete 1:4:8 using 1½" granite metal for culvert	6x2	7'0"	3'0"	1'0"	252 cft	252 cft
3) Random rubble masonary in cement mortar 1:4						
for head walls of culvert no 2	2x2	6'0"	2'0"	4'3"	204	
for culvert no 3 & 4	2x2	6'0"	2'0"	4'0"	192	
for fifth culvert down stream side	1	6'0"	2'0"	8'6"	102	
— do — upstream side	1	6'0"	2'0"	4'6"	54	
for sixth culvert down stream side	1	6'0"	2'0"	4'6"	54	
— do upstream side	1	6'0"	2'0"	4'0"	48	
for parapet wall —	6x2	5'6"	1'6"	1'6"	150	
					804	
deduct for pipes of 1'6" dia	6x2	22/7	1'9"x1'9"x2'0" / 4		60 cft	
Net quantity masonary				804-60 =	744	744 cft
4) Plastering with c.m 1:4 ½" thick for parapet walls	6x2	14'0"	—	1'6"	252 sft	
for Top of parapet	6x2	5'6"	1'6"	—	99	
					351	351 sft
5) Supplying and fixing 1'6" dia steel pipe necessary (cast) collars and set in c.m						
for 1'6" dia collar	6	16'0"	—	—	96 Rft	96 Rft

Details of work.	Number.	Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
		MEASUREMENT IN FEET.				
b) Rough stone dry packing for Revetment						
culvert no 1 down stream	2	5'0"	1'0"	3'6"	35	
for approaches	1	3'0"	4'0"	1'0"	12	
culvert no 2nd and 4th up stream site	3+4	5'0"	1'0"	2'6"	150	
for approaches	3	8'0"	2'0"	1'0"	24	
for culvert no 5 down	1	11'6"	1'0"	6'6"	75	
	1				68	
for — do — Approaches	1	10'0"	3'0"	6'6"	12	
Approaches	1	3'6"	3'6"	1'0"	45	
for culvert no 6 down stream site	2	5'0"	1'0"	4'6"	421	421 Sft

S. Bhanuji Rao
Supervisor
8/1x/11

Assistant Engineer, Irrig.
Community Projects,
S. K. MANGALORE.

DIVL. ENGINEER,
[illegible]

21-13

ESTIMATE FORM—Abstract.

Item number. (1)	Quantity. (2)	Description of work. (3)	Rate. (4) Rs	Per. (5)	Amount. (6) Rs.	Total. (7) Rs.
		Estimate for constructing 3 nos. 4'0" vent culvert in Badagayadapadu Road — Drawl.				
1)	~~22216~~ 22123 cft	Earth work excavation in all soil except rock requiring blasting with initial lead and left.	21-6-0	1000 cft	~~478-15-0~~ 474-15-0	
2	515 cft	Cement concrete 1:4:8 using 1½" granite metal	110-6-0	100 cft	568-7-0	
3	2167 cft	Random Rubble masonary in C.M 1:5	103-8-0	100 cft	~~2239-14-0~~ 2242-14-0	
4	154 sft	providing and fixing slab 3 face dressed and set in C.M. 1:4	3-14-0	1 sft	596-12-0	
5	6095 sft	plastering with cement mortar 1:4 ½" thick	11-8-0	100 sft	~~70-0-0~~ 70-8-0	
6	1280 cft	Rough stone dry packing for revetment	42-4-0	100 cft	~~541-0-0~~ 540-13-0	
					~~4489-5-0~~	~~4493-13-0~~ ~~4489-5-0~~
		Estimate for constructing 6 nos. 2'0" Hume pipe culvert				
1	12221 cft	Earth work excavation in all soil except rock requiring blasting with initial lead and left	21-6-0	1000 cft	261-3-0	
2	281 cft	Cement concrete 1:4:8 using 1½" granite metal	110-6-0	100 cft	310-2-0	
3	909 cft	Random Rubble masonary in C.M. 1:4	103-8-0	100 cft	940-13-0	
4	387 sft	plastering with C.M 1:4 ½" thick	11-8-0	100 sft	37-6-0	
5	86 Rft	providing and fixing 2'0" dia Hume pipe with necessary collars and joints with C.M 1:4	15-8-0	1 Rft	1333-0-0	
					2882-8-0	

C.O.

23 15

ESTIMATE FORM—Abstract.

Item number. (1)	Quantity. (2)	Description of work. (3)	Rate. (4)	Per. (5)	Amount. (6)	Total. (7)
			Rs.		Rs.	Rs.
				C.F.	2882-8-0	
6	52.5 cft	Providing and fixing cut stone fully dressed and set in C.M. 1:4	3-14-0	1 cft.	203-7-0	
7	373 cft	Rough stone dry pack-ing for revetment	42-4-0	100 cft	158-7-0	
					3244-6-0	
Estimate for constructing 2 nos. 1'6" dia hume pipe culverts						
1)	7661 cft	Earth work in excavation in all soil except rock requiring blasting with initial lead and lift	21-6-0	1000 cft	163-12-0	
2	952 cft	cement concrete 1:4:8 using 1½" metal	11016-0	100 cft	278-2-0	
3	744 cft	Random Rubble ma-sonary in C.M. 1:4	103-8-0	100 cft	770-0-0	
4	3516 cft	plastering with C.M. 1:4, ½" thick	11-8-0	100 cft	40-4-0	
5	96 Rft	Supplying and fixing 1'6" dia M. Pipe with necessary collars and joints the same with C.M. 1:4, ½" thick	12-no 12-80	1 Rft	1152-0-0	
6	421 cft	Rough stone dry packing for revetment	42-4-0	100 cft	177-7-0	
					2581-9-0	

S. Bhaviraj Rao
Supervisor
8/1/51

Assistant Engineer,
Community Projects,
S. K. MANGALORE.

ENGINEER,
...C. MANGALORE.

STATION_____

GRAND TOTAL OF ESTIMATE..

Date,_____195 .

Executive Engineer.

C.NO.21824/56.

PUBLIC (R.D.P. VI) DEPARTMENT.

Abstract.

C.P. - South Kanara area - Block I - Communications - Construction of culverts on the road from Badagayedapadav to Iruvail - Revised estimate - Sanctioned.

Read again: 1. G.O. Rt. No.915, Agriculture, d. 11-6-1954.

Read also: 2. Proceedings of the Collr., S.Kanara, Ref.C.No.3180/55-1, d. 1-2-1955.

3. From the P.E.O., Mangalore C.No.3180/55, d. 13-2-56.

G.O. Rt.No. 507 d. 19-3-56

In partial modification of the orders issued in para.1 of G.O. Rt. No.915, Agriculture, dated 11-6-1954, sanction is accorded to the incurring of an expenditure not exceeding Rs.10,756 (Rupees ten thousand seven hundred and fifty six) only towards the construction of 15 culverts on the road from Yadapadav to Iruvaail in Block I of the South Kanara Community Project area.

2. The expenditure should be debited to "63 B. Community Development Projects, National Extension Service and Local Development Works - (i) Community Development Projects - j. Communications 1. Works."

3. The revised estimate, together with the original estimates, returned herewith countersigned.

4. The Collector of South Kanara is requested to cancel his Proceedings second read above.

CENTRAL DESPATCH BRANCH
Van.
Post.
Delivered by Regd. Post.
Messenger.
Receiver's Initials.

Date 5.3.56.

To
The P.E.O., Mangalore (w.e) by Express post.
" A.G., Madras, thro' Fin.
(2 copies).

P.T.O.

[NOTE]

To the Collr. of S.Kanara, Mangalore.
" A.G., Madras (by name).
" Secy., C.P.A., New Delhi.
" Asst. Dev. Commr., Coimbatore.
" Pub (R.D.P.--Accts. A & B).

Copy to S.F. III.

NOTE: Please see pp.1-8 C.F.

The comparative statement on pp.3-5 of the revised estimates below explains the reasons for according revised sanction. Subject to orders, a draft Order is put up for approval.

Finance may see for concurrance.

Memo No. 21024 Pub-RDP(1)/56-1 dt. 8.3.56

UNDER SECRETARY TO GOVERNMENT 8-MAR 1956 PUBLIC (R.D.P.) DEPARTMENT

Fin (Exp.B)

Draft order accepted.

Fin No. 24970 Exp B/58-1 14-3-58.

Pub (RDP)

Pub (RDP) Dy.

UNDER SECRETARY TO GOVERNMENT 15 MAR 1956 PUBLIC (R.D.P.) DEPARTMENT

Orders of Finance may be passed.

2. The draft order awaiting may be issued.

3. Pages 5 & 23 of the estimate below are for approval by D.S.

(Issued as G.O. Ms. No. 507 Pub dt. 19/3/56).